# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 2 | ("6732488").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/23 20:09 |
| L2 | 2 | ("5138028").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/23 20:28 |
| L3 | 2 | ("6303054").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/23 20:30 |
| S1 | 2 | ("20070178264").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/19 12:58 |
| S3 | 3 | ("2003277502").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/19 13:48 |
| S4 | 2 | ("2002292656").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/19 13:50 |
| S5 | 2 | ("2001142313").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/19 13:52 |

| S6 | 145 | 2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/19 13:54 |
|---|---|---|---|---|---|---|
| S8 | 16 | 2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine and carbon | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/19 13:55 |
| S9 | 2 | 2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine same carbon | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/19 13:55 |
| S10 | 9 | 2,3,3',4'-biphenyl tetracarboxylic same 3,3', 4,4'-biphenyl tetracarboxylic same diamine and carbon black | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/03/19 13:57 |
| S11 | 3 | ("2003213014").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/03/19 14:08 |
| S12 | 2 | "10182820".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 08:32 |
| S13 | 12762 | rotation$6 near (mold$4 or mould$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 08:56 |

| S14 | 5 | seamless tubular polyimide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 08:56 |
|---|---|---|---|---|---|---|
| S15 | 2 | S14 and S13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 08:56 |
| S16 | 3 | ("2003261768").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/16 09:45 |
| S17 | 3 | ("4190936").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/16 09:46 |
| S19 | 2 | "63037136".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 09:48 |
| S21 | 6 | (("6352750") or ("6217963") or ("5389412")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/06/16 10:14 |
| S23 | 4 | S21 and carbon | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 10:15 |

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|---|---|---|---|---|---|---|
| S24 | 2 | ("6303054").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/06/16 10:31 |
| S25 | 9504 | (seamless or jointless) with (pipe or tubu$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/16 10:45 |
| S26 | 240561 | polyimide or (polyamic acid) or poly(amic acid) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | ADJ | ON | 2009/06/16 10:45 |
| S27 | 288 | S25 S26 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2009/06/16 10:46 |
| S28 | 46 | S25 S26 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2009/06/16 10:46 |
| S31 | 281 | asymmetric$4 with (dianhydride or (carboxylic near ester)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2009/06/16 10:48 |
| S32 | 1 | S28 and S31 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2009/06/16 10:48 |

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|---|---|---|---|---|---|---|
| S33 | 96 | S26 and S31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 10:49 |
| S34 | 67 | S26 and S31 and carbon | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 10:49 |
| S35 | 15 | S26 and S31 and carbon and (equimol$4) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 10:49 |
| S36 | 3 | S34 and S13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 10:51 |
| S37 | 10 | S26 and S31 and (carbon near black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 10:53 |
| S38 | 609 | (1,2,3,4-benzenetetracarboxylic acid) or (1,2,6,7-naphthalenetetracarboxylic acid) or (2,3,3',4'-biphenyltetracarboxylic acid) or (2,3,3',4'-benzophenonetetracarboxylic acid) or (2,3,3',4'-diphenyl ether tetracarboxylic acid) or (2,3,3',4'-diphenylmethanetetracarboxylic acid) or (2,3,3',4'-diphenylsulfonetetracarboxylic acid) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 10:57 |
| S39 | 2588 | (1,2,4,5-benzenetetracarboxylic acid) or (2,3,6,7-naphthalenetetracarboxylic acid) or (3,3',4,4'-biphenyltetracarboxylic acid) or (3,3',4,4'-benzophenone tetracarboxylic acid) or (3,3',4,4'-diphenyl ether tetracarboxylic acid) or (3,3',4,4'-diphenylmethanetetracarboxylic acid) or (3,3',4,4'-diphenylsulfonetetracarboxylic acid) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 10:58 |

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| S40 | 416 | S38 and S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 10:58 |
|-----|-----|-------------|------|-----|-----|------|
| S41 | 60 | S40 and (carbon near black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 10:59 |
| S43 | 52 | (S38 with S39) and (carbon near black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 11:01 |
| S45 | 46 | S43 and film | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 11:02 |
| S47 | 2 | (S38 with S39 with ester) and (carbon near black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 11:35 |
| S48 | 26 | (S31 or S40) and ester and (carbon near black) and (oligomer or pre$1polymer) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 11:40 |
| S49 | 22 | (S31 or S40) and ester and (carbon near black) and (oligomer or pre$1polymer) and film | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 11:40 |

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| S50 | 5955 | (oligomer$2 or pre$1polymer or (low near molecular near weight)) same S26 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 12:24 |
| S51 | 10 | (S31 or S40) and ester and (carbon near black) and S50 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 12:24 |
| S52 | 12 | (S31 or S40) and (carbon near black) and S50 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 12:26 |
| S54 | 306 | (asymmetric$4 or non-symmetric or symmetric) with (dianhydride or (carboxylic near ester)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 13:34 |
| S55 | 25 | S54 and S50 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 13:35 |
| S56 | 2 | S55 and (carbon near black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 13:35 |
| S57 | 545 | (asymmetric$4 or non-symmetric or symmetric) same (dianhydride or (carboxylic near ester)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | WITH | ON | 2009/06/16 13:39 |

| S58 | 29 | S57 and S50 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 13:39 |
|-----|-----|-------------|------|-----|-----|------|
| S59 | 8 | s-bpda with a-bpda and (carbon black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:19 |
| S60 | 354 | S38 with S39 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:37 |
| S61 | 19 | S38 with S39 with combinat$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:37 |
| S62 | 2 | (oligomer$2 or pre$1polymer or (low near molecular near weight)) and S61 and (carbon black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:38 |
| S64 | 5 | S61 and (carbon black) and S26 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:40 |
| S65 | 2 | (oligomer$2 or pre$1polymer or (low near molecular near weight)) and S64 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:41 |

| S68 | 68 | S38 same S39 same combinat$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:51 |
|-----|-----|------|------|------|------|------|
| S69 | 11 | S68 and (carbon black) and S26 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:51 |
| S71 | 2 | (oligomer$2 or pre$1polymer or (low near molecular near weight)) and S69 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:52 |
| S72 | 546 | (oligomer$2 or pre$1polymer or (low near molecular near weight)) with (polyamic acid) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:53 |
| S73 | 69 | S72 and (carbon black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:54 |
| S74 | 0 | S72 and (carbon black) and S68 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:54 |
| S75 | 1 | S72 and S68 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 14:54 |

| S76 | 2668 | dianhydride same combinat$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 15:00 |
|-----|------|-----------------------------|------|-----|-----|------------------|
| S77 | 31 | S72 and S76 and (carbon black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 15:01 |
| S78 | 31 | S72 and S76 and (carbon black) and ester | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 15:01 |
| S79 | 2802 | dianhydride same (combinat$4 or (at least) or (more than)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 15:06 |
| S87 | 609 | (oligomer$2 or pre$1polymer or (low near molecular near weight)) with ((polyamic acid) or poly(amic acid)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/16 15:28 |
| S90 | 456 | ((amic acid) or (polyamic acid) or poly(amic acid)) with oligome$4 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:00 |
| S91 | 58 | S90 and (carbon black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:00 |

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| S92 | 19 | (S90 with weight) and (carbon black) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:00 |
| S93 | 22 | (S90 with weight) and graphite | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:25 |
| S94 | 2802 | dianhydride same (combinat$4 or (at least) or (more than)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:26 |
| S95 | 10 | (S90 with weight) and graphite and S94 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:26 |
| S96 | 12 | (S90 with weight) and ((carbon black) or graphite) and S94 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:27 |
| S97 | 240561 | polyimide or (polyamic acid) or poly(amic acid) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:53 |
| S98 | 1614 | S97 and 528/353.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 09:53 |

| S105 | 258 | diamine same (dianhydride with ester) same (temperature or degree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 10:58 |
|------|-----|---|---|---|---|---|
| S107 | 91 | diamine same (dianhydride with ester) same (temperature or degree) and (polyamic acid) and polyimide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 10:59 |
| S108 | 50 | diamine same (dianhydride with ester) same (temperature or degree) and (polyamic acid) and polyimide.ab. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 10:59 |
| S109 | 39 | diamine with (dianhydride with ester) with (temperature or degree) and (polyamic acid) and polyimide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:02 |
| S110 | 82 | diamine with (dianhydride with ester) with (temperature or degree) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:06 |
| S111 | 12 | diamine with (dianhydride with ester) with (temperature or degree) same oligomer$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:07 |
| S112 | 42 | diamine with (dianhydride with ester) with heat | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:10 |

| S11 3 | 0 | (yokota or goto or ozawa).in. and ube.as. and (polyamid acid oligomer) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:32 |
|---|---|---|---|---|---|---|
| S11 4 | 0 | (yokota or goto or ozawa).in. and (polyamid acid) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:32 |
| S11 5 | 1 | ("2005/0014925").URPN. | USPAT | ADJ | ON | 2009/06/17 11:33 |
| S11 6 | 149 | (carbon black) with graphite with conductivit$4 and polyimide | USPAT | ADJ | ON | 2009/06/17 11:35 |
| S11 7 | 1 | (carbon black) with graphite with conductivit$4 with equivalent and polyimide | USPAT | ADJ | ON | 2009/06/17 11:36 |
| S11 8 | 52262 | yano.in. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:38 |
| S11 9 | 5 | yano.in. and (carbon black) and (polyamic acid) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/06/17 11:38 |